

Listing of Claims

1. (Currently Amended) An isolated strain culture of *Muscodor vitigenus* and variants thereof, wherein the culture is *Muscodor vitigenus* 2116 and capable of producing a product comprising substantially naphthalene.

2. (Previously Presented) A composition comprising the isolated culture of claim 1 and at least one carrier.

3. (Original) The composition of claim 2, wherein the carrier is an agriculturally acceptable carrier.

4. (Original) The composition of claim 3, wherein said carrier is soil.

5. (Currently Amended) A method of repelling an insect from a first composition comprising contacting said first composition with a second composition comprising an isolated culture of *M. vitigenus* 2116.

6. (Original) A method according to claim 5 wherein said first composition is a plant.

7. (Original) A method according to claim 6 wherein said plant is a plant part selected from the group consisting of seeds, fruits, stems, leaves and roots.

8. (Currently Amended) A method according to claim 6 or 7 wherein said second composition is soil inoculated with ~~an~~ the isolated culture of *M. vitigenus* 2116.

9. (Currently Amended) The culture of claim 1, wherein the naphthalene comprises a naphthalene derivative 2-methyl naphthalene, 1-methoxy naphthalene or a combination thereof.

10. (Currently Amended) An isolated culture of *Muscodor vitigenus* and variants thereof,

wherein the culture is *Muscodorus vitigenus* 2116 and capable of producing naphthalene at a rate of from about 5 ng hr⁻¹ to about 15 150 ng hr⁻¹.

11. (Currently Amended) The culture of claim 10, wherein the naphthalene comprises a naphthalene derivative 2-methyl naphthalene, 1-methoxy naphthalene or a combination thereof.

12. (New) The culture of claim 10, wherein the rate is about 5 ng hr⁻¹ to about 12 ng hr⁻¹.